

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
24 June 2004 (24.06.2004)

PCT

(10) International Publication Number
WO 2004/053009 A3

(51) International Patent Classification⁷: **G01C 9/10**, 9/18

(21) International Application Number:
PCT/IL2003/001046

(22) International Filing Date:
10 December 2003 (10.12.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
153400 12 December 2002 (12.12.2002) IL

(71) Applicants (for all designated States except US): **LANG, Dikla** [IL/IL]; Hapalmach St. 30, 53406 Givataim (IL). **LIFSCHITZ, Eyal** [IL/IL]; Hate'ena St. 19, Givat Shmuel (IL).

(71) Applicant and

(72) Inventor: **LANG, Yoel** [IL/IL]; Hapalmach St. 30, 53406 Givataim (IL).

(74) Agents: **PYERNIK, Moshe** et al.; Pyernik Rutman, P.O.Box 10012, 84106 Beer Sheva (IL).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

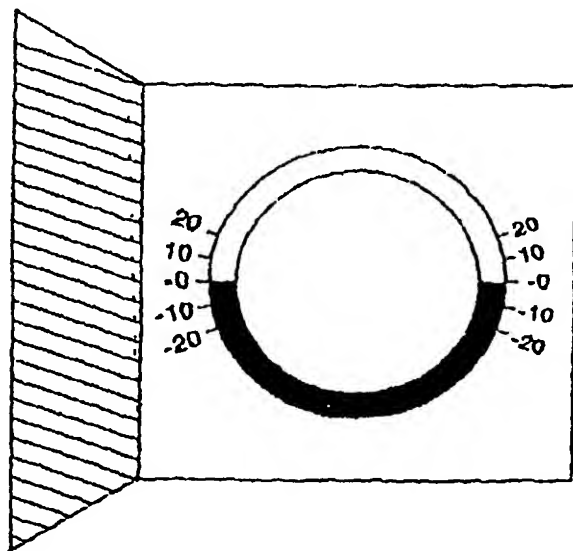
Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
2 September 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: LEVEL-DETERMINING ADHESIVE PATCH



(57) Abstract: An adhesive patch containing an integral spirit level, said adhesive patch comprising: a) a first transparent film comprising an indented region; b) a second film, having an upper surface that is attached to the lower surface of said first transparent film, such that the indented region of said first film and the portion of said second film that lies immediately below said indented region together define a closed tubular structure; c) level-indicating means associated with said tubular structure; and d) adhesive means for affixing the patch to a surface whose orientation is to be determined; wherein the level-indicating means provide an indication of the spatial orientation of the surface to which said adhesive patch is affixed.

WO 2004/053009 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL03/01046

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G01C 9/10, 9/18

US CL : 33/365

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 33/365, 333, 334, 354, 370, 371, 377, 379, 389

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 3,881,257 (CHASEN) 06 May 1975 (06.05.1975), figures 1 and 2, elements 10, 12, 13 and 17-20 and the associated text.	1, 2, 7-10
X	US 3,422,544 (WYSE) 21 January 1969 (21.01.1969), figures 2-5 and the associated text	1, 2, 7, 9
Y		3-6, 8, 10
Y	US 3,269,729 (MORRISON) 30 August 1966 (30.08.1966); entire specification, particular figures 4 and 5 as shown	1, 2, 7, 9
X	US 5,058,283 (WISE et al.) 22 October 1991 (22.10.1991), figures 2A, 2B and 2C and the associated text.	1, 2, 7
Y	US 3,563,325 (BALTZ) 09 March 1971 (09.03.1971), figure 1; column 2, lines 57-63; column, 3, lines 35-48	3-6
Y	US 4,375,765 (FROM) 08 March 1983 (08.03.1983), column 6, lines 44-51	1, 2, 5, 6, 10
Y	US 4,438,720 (CONN) 27 March 1984 (27.03.1984), column 3, line 61 through column 4, line 30.	8
A	US 4,258,475 (BUCKLEY) 31 March 1981 (31.03.1981), entire document	1-10

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

31 May 2004 (31.05.2004)

Date of mailing of the international search report

21 JUL 2004

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

Diego F. Gutierrez

Telephone No. not valid

INTERNATIONAL SEARCH REPORT

PCT/IL03/01046

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2,483,029 (WILL) 27 September 1949 (27.09.1949), entire document	1-10
A	US 1,409,537 (FRANZEN) 14 March 1922 (14.03.1922), entire document	1-6